Title (en)

SOLID ELECTROLYTE AND BATTERY

Title (de)

FESTELEKTROLYT UND BATTERIE

Title (fr)

ÉLECTROLYTE SOLIDE ET BATTERIE

Publication

EP 3340362 B1 20201028 (EN)

Application

EP 16839152 A 20160817

Priority

- JP 2015163579 A 20150821
- JP 2016073966 W 20160817

Abstract (en)

[origin: EP3340362A1] A solid electrolyte contains: a copolymer having a constituent unit represented by a formula (1) below and a constituent unit represented by a formula (2) below; and a metal salt. In the formula (1), m is 2 or 3, and R 1 each independently represent a hydrogen atom or a methyl group. In the formula (2), n is 2 or 3, and R 2 each independently represent a hydrogen atom or a methyl group.

IPC 8 full level

C08G 64/34 (2006.01); **C08K 5/435** (2006.01); **H01B 1/06** (2006.01); **H01M 2/16** (2006.01); **H01M 10/0565** (2010.01)

CPC (source: EP KR US)

C08G 64/183 (2013.01 - KR); **C08G 64/34** (2013.01 - EP KR US); **C08K 5/435** (2013.01 - EP US); **C08L 69/00** (2013.01 - US); **H01B 1/12** (2013.01 - EP US); **H01B 1/122** (2013.01 - KR); **H01M 10/052** (2013.01 - EP US); **H01M 10/0525** (2013.01 - US); **H01M 10/0565** (2013.01 - EP KR US); C08L 2203/20 (2013.01 - US); H01M 2300/0082 (2013.01 - KR US); Y02E 60/10 (2013.01 - EP)

Citation (examination)

"Makromolek?le, Band 1: Chemische Struktur und Synthesen", 31 December 1999, WILEY VCH, ISBN: 978-3-527-29959-1, article HANS-GEORG ELIAS: "Makromolek?le, Band 1: Chemische Struktur und Synthesen", pages: 75 - 77, XP055340824, DOI: 10.1002/9783527626557.ch3

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3340362 A1 20180627; **EP 3340362 A4 20190320**; **EP 3340362 B1 20201028**; CN 107925127 A 20180417; CN 107925127 B 20201009; JP 6481120 B2 20190313; JP WO2017033805 A1 20180607; KR 102613107 B1 20231212; KR 20180044322 A 20180502; TW 201727985 A 20170801; TW I718175 B 20210211; US 10756388 B2 20200825; US 2018219255 A1 20180802; WO 2017033805 A1 20170302

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